



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date: March 4, 2020	EPA Reg. No./File Symbol: 66171-XX	Page 1 of 14
Applicant's / Registrant's Name & Address: Preserve International® 944 Nandino Blvd Lexington, KY 40511	Product: Neogen® Viroxide Super™	

Ingredient(s): Potassium Peroxymonosulfate

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Chemistry Data Requirements					
830.1550	Product Identity and Composition	50934832	66171	OWN	
830.1600	Description of Materials Used to Produce the Product	50934832	66171	OWN	
830.1620	Description of Production Process		66171	OWN	From Producer ¹
830.1650	Description of Formulation Process			N.A.	
830.1670	Discussion of Formation of Impurities		66171	OWN	From Producer ²
830.1700	Preliminary Analysis	50934831	66171	OWN	
830.1750	Certified Limits			N.A.	
830.1800	Enforcement Analytical Method-KPMS	50934817	66171	OWN	
Physical and Chemical Characteristics					
830.6302	Color	50934832	66171	OWN	
830.6303	Physical State	50934832	66171	OWN	
830.6304	Odor	50934832	66171	OWN	
830.6313	Stability (sunlight, temperatures, metals and ions)	50934832	66171	OWN	
830.6314	Oxidation/reduction; chemical incompatibility	50934832	66171	OWN	
830.6315	Flammability	50934832	66171	OWN	
830.6316	Explosibility	50934832	66171	OWN	
830.6317	Storage Stability			N.A.	
830.6319	Miscibility	50934832	66171	OWN	
830.6320	Corrosion Characteristics			N.A.	

Signature 	Name and Title Patrice R. Fields Registration Manager	Date April 22, 2020
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Applicant's / Registrant's Name & Address: Preserve International® 944 Nandino Blvd Lexington, KY 40511	Product: Neogen® Viroxide Super™	
Ingredient(s): Potassium Peroxymonosulfate		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6321	Dielectric Breakdown Voltage	50934832	66171	OWN	
830.7000	pH	50934832	66171	OWN	
830.7050	UV/visible light absorption	50934832	66171	OWN	
830.7100	Viscosity	50934832	66171	OWN	
830.7200	Melting Point/Melting Range	50934832	66171	OWN	
830.7220	Boiling Point/Boiling Range	50934832	66171	OWN	
830.7300	Density/Relative Density/Bulk Density	50934832	66171	OWN	
830.7370	Dissociation constants in water	50934832	66171	OWN	
830.7520	Particle size, fiber length, and diameter distribution			N.A.	
830.7550/7560/7570	Partition coefficient (n-octanol/water)	50934832	66171	OWN	
830.7840/7860	Water solubility	50934832	66171	OWN	
830.7950	Vapor pressure	50934832	66171	OWN	
Fate, Transport and Transformation Data Requirements					
835.1110	Activated sludge sorption isotherm			Waived	Registration Review ³
835.1230/1240	Leaching and adsorption/desorption			Waived	Registration Review ⁴
835.2120	Hydrolysis			Waived	Registration Review ⁵
835.2240	Photodegradation in water			Waived	Registration Review ⁶
835.2410	Photodegradation in soil			Waived	Registration Review ⁷
835.3110	Ready bioavailability			Waived	Registration Review ⁸
835.3220	Porous pot study			Waived	Registration Review ⁹

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Ingredient(s): Potassium Peroxymonosulfate		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.3240	Simulation test - aerobic sewage treatment: A. Activated sludge units			Waived	Registration Review ¹⁰
835.3280	Simulation tests to assess biodegradability of chemicals discharged to wastewater			Waived	Registration Review ¹¹
835.4100	Aerobic soil metabolism			Waived	Registration Review ¹²
835.4200	Anaerobic soil metabolism			Waived	Registration Review ¹³
835.4300	Aerobic aquatic metabolism			Waived	Registration Review ¹⁴
835.4400	Anaerobic aquatic metabolism			Waived	Registration Review ¹⁵
835.6200	Aquatic (sediment)			Waived	Registration Review ¹⁶
None	Monitoring of representative U.S. waters			Waived	Registration Review ¹⁷
None	Special leaching			N.A.	
Ecological Effects Data Requirements					
850.1010	Acute freshwater invertebrate toxicity	46119002	62432	OLD Waived	11/10/03 Registration Review ¹⁸
850.1075	Acute freshwater fish toxicity	46119001	62432	OLD Waived	11/10/03 Registration Review ¹⁹
		00019852	4643	OLD Waived	3/11/75 Registration Review ¹⁹
850.1025/1035/1045/1055	Acute estuarine and marine organisms toxicity			Waived	Registration Review ²⁰
850.1300	Aquatic invertebrate life-cycle (freshwater)			Waived	Registration Review ²¹
850.1350	Aquatic invertebrate life-cycle (saltwater)			Waived	Registration Review ²²
850.1400	Fish early life stage (freshwater)	47143401	71654	Waived	5/31/07 Registration Review ²³

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Ingredient(s): Potassium Peroxymonosulfate		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1500	Fish life cycle	46349301	62432	OLD Waived	8/27/04 Registration Review ²⁴
850.1710/1730	Aquatic organisms, bioavailability, biomagnification, toxicity tests			Waived	Registration Review ²⁵
850.1735	Whole sediment: acute freshwater invertebrates			Waived	Registration Review ²⁶
850.1740	Whole sediment: acute marine invertebrates			Waived	Registration Review ²⁷
850.1850/1950	Simulated or actual field testing for aquatic organisms			Waived	Registration Review ²⁸
None	Whole sediment: chronic invertebrates freshwater and marine			Waived	Registration Review ²⁹
850.2200	Avian dietary toxicity	00020457	4643	OLD Waived	3/11/75 RED ³⁰
		00020458	4643	OLD Waived	3/11/75 RED ³⁰
850.2300	Avian reproduction			Waived	Registration Review ³¹
850.3020	Honey bee acute contact toxicity			Waived	Registration Review ³²
850.3030	Toxicity of residues to honeybees			Waived	Registration Review ³³
850.4225	Seedling emergence, Tier II			Waived	Registration Review ³⁴
850.4250	Vegetative vigor, Tier II			Waived	Registration Review ³⁵
850.4300	Terrestrial field			Waived	Registration Review ³⁶
850.4400	Aquatic plant growth (aquatic vascular plant), Tier II			Waived	Registration Review ³⁷
850.4450	Aquatic field			Waived	Registration Review ³⁸
850.5400	Aquatic plant growth (algal), Tier II	46119003	62432	OLD Waived	11/10/03 Registration Review ³⁹
850.6800	Activated sludge respiration inhibition test OECD 209			Waived	Registration Review ⁴⁰
860.1100	Chemical identity	50934832	66171	OWN	See CSF

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Ingredient(s): Potassium Peroxymonosulfate		

860.1200	Directions for use		66171	OWN	See Label
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Residue Chemistry Data Requirements					
860.1300	Nature of the residue in plants			N.A.	
860.1300	Nature of the residue in livestock			N.A.	
860.1340	Residue analytical method			N.A.	
860.1360	Multiresidue method			N.A.	
860.1380	Storage stability			N.A.	
860.1400	Potable water – magnitude of residue			N.A.	
860.1400	Fish – magnitude of residue			N.A.	
860.1400	Irrigated crops – magnitude of residue			N.A.	
860.1460	Food handling – magnitude of residue			N.A.	
860.1480	Meat/milk/poultry/eggs – magnitude of residue			N.A.	
860.1500	Crop field trials – magnitude of residue			N.A.	
860.1520	Processed food/feed – magnitude of residue			N.A.	
860.1540	Anticipated residues			N.A.	
860.1550	Proposed tolerances			N.A.	
860.1560	Reasonable grounds in support of petition			N.A.	
860.1650	Submittal of analytical reference standards			N.A.	
860.1850	Confined rotational crops			N.A.	
860.1900	Field rotational crops			N.A.	
Toxicology Data Requirements					
870.1100	Acute Oral Toxicity: Rat	42607401	62432	OLD	12/30/92

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Ingredient(s): Potassium Peroxymonosulfate		

870.1100	Acute Oral Toxicity: Rat	46119004	62432	OLD	11/10/03
870.1100	Acute Oral Toxicity: Rat	46119005	62432	OLD	11/10/03
		46119012	62432	OLD	11/10/03
870.1200	Acute Dermal Toxicity: Rat	42607402	62432	OLD	12/30/92
870.1300	Acute Inhalation Toxicity: Rat	42591201	62432	OLD	12/6/92
		42474701	778	OLD	4/30/92
		46119006	62432	OLD	11/10/03
870.2400	Primary Eye Irritation: Rabbit	42607403	62432	OLD	12/30/92
		44242001	62432	OLD	3/11/97
870.2500	Primary Dermal Irritation: Rabbit	42607404	62432	OLD	12/30/92
		44242002	62432	OLD	3/11/97
		46119008	62432	OLD	11/10/03
		46119009	62432	OLD	11/10/03
		46119010	62432	OLD	11/10/03
870.2600	Dermal Sensitization	42607405	62432	OLD Waived	12/30/92 RED ⁴¹
870.3100	90-day oral - rodent	00138801	352	OLD Waived	10/23/83 RED ⁴²
		46119007	62432		11/10/03
		46833615	54289		5/15/06
870.3150	90-day oral – non-rodent			Waived	RED ⁴³
870.3200	21/28-day dermal			Waived	RED ⁴⁴
870.3250	90-day dermal toxicity			Waived	RED ⁴⁵
870.3465	90-day inhalation toxicity - rat	00138806	352	OLD Waived	10/25/83 RED ⁴⁶

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Ingredient(s): Potassium Peroxymonosulfate

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	
870.3465	90-day inhalation toxicity - rat	49469301	91719		8/28/14
870.3700	Prenatal developmental toxicity – rat and rabbit	46833610	54289	Waived	5/15/05 RED ⁴⁷
870.3800	Reproduction and fertility effects			Waived	RED ⁴⁸
870.4100	Chronic oral toxicity - rodent	46833624	54289	Waived	5/11/06 RED ⁴⁹
870.4200	Carcinogenicity - two rodent species			Waived	RED ⁵⁰
870.5100	Bacterial reverse mutation assay	46833611	54289	Waived	5/5/06 RED ⁵¹
870.5300/5375	In vivo mammalian cell assay	00138803	352	OLD Waived	10/25/83 RED ⁵²
		46833627	54289		5/15/06
		46833628	54289		5/15/06
		46833629	54289		5/15/06
		46833630	54289		5/15/06
870.5385/5395	In vivo cytogenetics	46833613	54289	Waived	5/15/06 RED ⁵³
		46833825	54289		5/15/06
870.6200	90-day neurotoxicity - rat			Waived	RED ⁵⁴
870.6300	Development neurotoxicity			Waived	RED ⁵⁵
870.7200	Companion animals safety			Waived	RED ⁵⁶
870.7485	Metabolism and pharmacokinetics			Waived	RED ⁵⁷
870.7600	Dermal penetration			Waived	RED & Registration Review ⁵⁸

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Ingredient(s): Potassium Peroxymonosulfate		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	
Occupational and Residential Exposure Data Requirements					
875.1100	Dermal outdoor exposure			N.R.	RED & Registration Review ⁵⁹
875.1200	Dermal indoor exposure	48917401	83162	N.R.	RED & Registration Review
		49640001	83162		
		49437701	83162		
		49905201	83162		
875.1300	Inhalation outdoor exposure			N.R.	RED & Registration Review ⁶⁰
875.1400	Inhalation indoor exposure	48917401	83162	N.R.	
		49640001	83162		
		49437701	83162		
		49905201	83162		
875.1500	Biological Monitoring			N.R.	RED & Registration Review ⁶¹
875.1600	Data reporting			N.A.	
875.1700	Product use information		66171	OWN	See Label
875.2100	Dislodgeable foliar residue and turf transferable residues			N.A.	
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	
875.2200	Soil residue dissipation			N.A.	
875.2300	Indoor surface residue dissipation			N.R.	RED & Registration Review ⁶²
875.2400	Dermal exposure			N.R.	RED & Registration Review

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[illegible]

Patrice Fields

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Registration Manager

Date
April 22, 2020

Offer to Pay List for Efficacy Data (Based upon PDSL dated [10.02.2019])

Guideline	Submitter	MRID	Date	Address
850.1400	71654	47143401	5/31/2007	The Chemours Company 1007 Market Street P.O. Box 2047 Wilmington, Delaware 19899
870.3465	91719	49469301	8/28/2014	European Chemical Industry Council (CEFIC)
870.3700	54289	46833610	5/15/2005	Evonik Corporation 299 Jefferson Road Parsippany, New Jersey 07054
870.4100	54289	46833624	5/11/2006	Evonik Corporation 299 Jefferson Road Parsippany, New Jersey 07054
870.5100	54289	46833611	5/5/2006	Evonik Corporation 299 Jefferson Road Parsippany, New Jersey 07054
870.5300/5375	54289	46833627	5/15/2006	Evonik Corporation 299 Jefferson Road Parsippany, New Jersey 07054
		46833628		
		46833629		
		46833630		
870.5385/5395	54289	46833613	5/15/06	Evonik Corporation 299 Jefferson Road Parsippany, New Jersey 07054
		46833825		

Endnotes for Data Matrix for Neogen® Viroxide Super™

¹ **830.1620- Description of production process:** This information will be submitted on behalf of Preserve International by United Initiators.

² **830.1670- Discussion of Formation of Impurities:** This information will be submitted on behalf of Preserve International by United Initiators.

³ **835.1110-Activated sludge sorption isotherm:** Per the Peroxy Compounds Registration Review, potassium peroxy monosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

⁴ **835.1230/1240-Leaching and adsorption/desorption:** Per the Peroxy Compounds Registration Review, potassium peroxy monosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

⁵ **835.2120-Hydrolysis:** Per the Peroxy Compounds Registration Review, potassium peroxy monosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

⁶ **835.2240-Photodegradation in water:** Per the Peroxy Compounds Registration Review, potassium peroxy monosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in

environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

⁷ **835.2410-Photodegradation in soil:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

⁸ **835.3110-Ready bioavailability:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

⁹ **835.3220-Porous pot study:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹⁰ **835.3240-Simulation test-aerobic sewage treatment: A. Activated sludge units:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹¹ **835.3280-Simulation tests to assess biodegradability of chemicals discharged to wastewater:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹² **835.4100-Aerobic soil metabolism:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹³ **835.4200-Anaerobic soil metabolism:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹⁴ **835.4300-Aerobic aquatic metabolism:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹⁵ **835.4400-Anaerobic aquatic metabolism:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹⁶ **835.6200-Aquatic (sediment):** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹⁷ **Monitoring of representative U.S. waters:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic salt that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in

environmental media like water and soil. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹⁸ **850.1010-Acute freshwater invertebrate toxicity:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

¹⁹ **850.1075-Acute freshwater fish toxicity:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²⁰ **850.1025/1035/1045/1055-Acute estuarine and marine organisms toxicity:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²¹ **850.1300-Aquatic invertebrate life-cycle (freshwater):** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²² **850.1350-Aquatic invertebrate life-cycle (saltwater):** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²³ **850.1400-Fish early life stage (freshwater):** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²⁴ **850.1500-Fish life cycle:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²⁵ **850.1710/1730-Acute estuarine and marine organisms toxicity:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²⁶ **850.1735-Whole sediment: acute freshwater invertebrates:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²⁷ **850.1740-Whole sediment: acute marine invertebrates:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²⁸ **850.1850/1950-Simulated or actual field testing for aquatic organisms:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

²⁹ **Whole sediment: chronic invertebrates freshwater and marine:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³⁰ **850.2200- Avian dietary toxicity:** Per the Peroxy Compounds Registration Eligibility Decision, acute avian oral was waived due to its corrosive nature.

³¹ **850.2300-Avian reproduction:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³² **850.3020-Honey bee acute contact toxicity:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³³ **850.3030-Toxicity of residues to honeybees:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³⁴ **850.4225-Seedling emergence, Tier II:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³⁵ **850.4250-Vegetative vigor, Tier II:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³⁶ **850.4300-Terrestrial field:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³⁷ **850.4400-Aquatic plant growth (aquatic vascular plant), Tier II:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³⁸ **850.4450-Aquatic field:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

³⁹ **850.5400-Aquatic plant growth (algal), Tier II:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

⁴⁰ **850.6800-Activated sludge respiration inhibition test OECD 209:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate has only indoor-use registrations. Therefore, the Agency concluded that no additional environmental fate and transport data was needed.

⁴¹ **870.2600-Dermal Sensitization:** Per the Peroxy Compounds Registration Review, dermal sensitization was waived due to the strong irritant properties at high concentrations.

⁴² **870.3100-90-day oral - rodent:** Per the Peroxy Compounds Registration Review, oral toxicity studies were waived due to the corrosive nature of potassium peroxymonosulfate.

⁴³ **870.3150-90-day oral – non-rodent:** Per the Peroxy Compounds Registration Review, oral toxicity studies were waived due to the corrosive nature of potassium peroxymonosulfate.

⁴⁴ **870.3200-21/28-day dermal:** Per the Peroxy Compounds Registration Review, dermal toxicity studies were waived due to the strong irritant properties and corrosive nature of potassium peroxymonosulfate.

⁴⁵ **870.3250-90-day dermal toxicity:** Per the Peroxy Compounds Registration Review, dermal toxicity studies were waived due to the strong irritant properties and corrosive nature of potassium peroxymonosulfate.

⁴⁶ **870.3465-90-day inhalation toxicity - rat:** Per the Peroxy Compounds Registration Review, dermal toxicity studies were waived due to the strong irritant properties and corrosive nature of potassium peroxymonosulfate.

⁴⁷ **870.3700-Prenatal developmental toxicity – rat and rabbit:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁴⁸ **870.3800-Reproduction and fertility effects:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁴⁹ **870.4100-Chronic oral toxicity - rodent:** Per the Peroxy Compounds Registration Review, oral toxicity studies were waived due to the corrosive nature of potassium peroxymonosulfate.

⁵⁰ **870.4200-Carcinogenicity - two rodent species:** Per the Peroxy Compounds Registration Review, dermal sensitization was waived due to the strong irritant properties at high concentrations.

⁵¹ **870.5100-Bacterial reverse mutation assay:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁵² **870.5300/5375-In vivo mammalian cell assay:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁵³ **870.5385/5395-In vivo cytogenetics:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁵⁴ **870.6200-Acute neurotoxicity - rat:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁵⁵ **870.6300-Development neurotoxicity:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁵⁶ **870.7200-Companion animals safety:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁵⁷ **870.7485-Metabolism and pharmacokinetics:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁵⁸ **870.7600-Dermal penetration:** Per the Peroxy Compounds Registration Review, dermal toxicity studies were waived due to the strong irritant properties and corrosive nature of potassium peroxymonosulfate.

⁵⁹ **875.1100-Dermal outdoor exposure:** Per the Peroxy Compounds Registration Review, dermal toxicity studies were waived due to the strong irritant properties and corrosive nature of potassium peroxymonosulfate.

⁶⁰ **875.1300-Inhalation outdoor exposure:** Per the Peroxy Compounds Registration Review, dermal toxicity studies were waived due to the strong irritant properties and corrosive nature of potassium peroxymonosulfate.

⁶¹ **875.1500-Biological monitoring:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil.

⁶² **875.2300-Indoor surface residue dissipation:** Per the Peroxy Compounds Registration Review, other toxic endpoints were waived due to the chemical reactivity of peroxy compounds with macromolecules.

⁶³ **875.2600-Biological monitoring:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil.

⁶⁴ **875.2800-Description of human activity:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil.

⁶⁵ **875.2900-Data reporting and calculations:** Per the Peroxy Compounds Registration Review, potassium peroxymonosulfate is an inorganic that contains a peroxy functional group which makes it very reactive, and it readily breaks down in aqueous media. The ions produced upon breakdown are known and already present in environmental media like water and soil.